



#4

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

Provisional application No. 60/263256, filed on January 22, 2001.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Data Transmission Via Direct Modulation Of A Mid-IR Laser** the specification of which was filed on June 29, 2001 as application Serial No. 09/896783.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

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John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
John F. McCabe	(Reg. No. 42854)
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Gregory J. Murgia	(Reg. No. 41209)
Neil R. Ormos	(Reg. No. 35309)
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Bruce S. Schneider	(Reg. No. 27949)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Jeffrey M. Weinick	(Reg. No. 36304)

Please address all correspondence to the Docket Administrator (Rm. 3J-219), Lucent Technologies Inc., 101 Crawfords Corner Road, Holmdel, New Jersey 07733-3030. Telephone calls should be made to John F. McCabe by dialing 908-582-6866.

Full name of 1st joint inventor: Clyde George Bethea

Inventor's signature _____ Date _____

Residence: Franklin Park, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 8 Grist Mill Lane
Franklin Park, New Jersey, 08823

Full name of 2nd inventor: Federico Capasso

Inventor's signature _____ Date _____

20-29-1-3-35-14-1

Residence: Westfield, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 42 Westbrook Road
Westfield, New Jersey, 07090Full name of 3rd inventor: Alfred Yi Cho

Inventor's signature _____ Date _____

Residence: Summit, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 11 Kenneth Court
Summit, New Jersey, 07901Full name of 4th inventor: Claire F Gmachl

Inventor's signature _____ Date _____

Residence: New Providence, Union County, New Jersey

Citizenship: Austria

Post Office Address: 1170 Springfield Avenue
New Providence, New Jersey, 07974Full name of 5th inventor: Albert Lee HutchinsonInventor's signature Albert Lee Hutchinson Date 11/15/01

Residence: Columbus, Muscogee County, Georgia

Citizenship: United States of America

Post Office Address: 2409 Cindy Drive
Columbus, Georgia, 31903Full name of 6th inventor: Rainer Martini

Inventor's signature _____ Date _____

Residence: Hoboken, Hudson County, New Jersey

20-29-1-3-35-14-1

Citizenship: Germany

Post Office Address: 730 Hudson Street
Apt. 3
Hoboken, New Jersey, 07030

Full name of 7th inventor: Roberto Paiella

Inventor's signature _____ Date _____

Residence: Short Hills, Essex County, New Jersey

Citizenship: Italy

Post Office Address: 806 Morris Turnpike
Apt. 2A6
Short Hills, New Jersey, 07078

Full name of 8th inventor: Deborah Lee Sivco

Inventor's signature _____ Date _____

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue
Warren, New Jersey, 07059

Full name of 9th inventor: Alessandro Tredicucci

Inventor's signature _____ Date _____

Residence: 1-16043 Chiavari, Italy

Citizenship: Italy

Post Office Address: via R. Orsi 41/22
1-16043 Chiavari
Italy

Full name of 10th inventor: Edward Anthony Whittaker

Inventor's signature _____ Date _____

Residence: Hoboken, Hudson County, New Jersey

20-29-1-3-35-14-1

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C.G. Bethea 25-66-105-

Citizenship: United States of America

Post Office Address: 204 Garden Street
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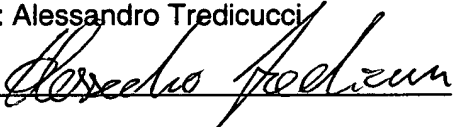
Full name of 8th inventor: Deborah Lee Sivco

Inventor's signature _____ Date _____

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue
Warren, New Jersey, 07059

Full name of 9th inventor: Alessandro TredicucciInventor's signature  Date 11/20/2001

Residence: 1-16043 Chiavari, Italy

Citizenship: Italy

Post Office Address: via R. Orsi 41/22
1-16043 Chiavari
Italy

Full name of 10th inventor: Edward Anthony Whittaker

Inventor's signature _____ Date _____

Residence: Hoboken, Hudson County, New Jersey

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Inventor's signature  Date 8/11/01

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Residence: Short Hills, Essex County, New Jersey

Citizenship: Italy

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Full name of 8th inventor: Deborah Lee SivcoInventor's signature Deborah Lee Sivco Date 11-8-01

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Eli Weiss	(Reg. No. 17765)

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Full name of 1st joint inventor: Clyde George Bethea

Inventor's signature Clyde George Bethea Date June 26, 2001

Residence: Franklin Park, Somerset County, New Jersey

Citizenship: United States of America

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C. J. Bethea 25-66-105-

Full name of 2nd inventor: Federico Capasso

Inventor's signature _____ Date _____

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J. Bethea 25-66-105-

Full name of 3rd inventor: Alfred Yi Cho

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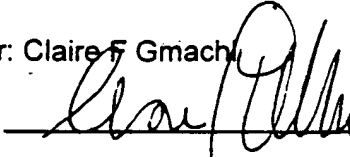
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C.G. Bethea 25-66-105-

Full name of 4th inventor: Claire F. Gmach

Inventor's signature



Date

6/22/01

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C.G. Bethea 25-66-105-

Full name of 5th inventor: Albert Lee Hutchinson

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U.S. Bethea 25-66-105-

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